EE 1910

Dr. Johnson

Homework 6

 Identify the type of each expression. 	20pts
int a,b;	
float c,d; char e,f;	
bool g,h;	
a == b	
c + a * b / d – f	
a >= c - f + a	
f / b * c <= a * e / b	
a % b * c / f % g	

2 – evaluate each statement and indicate the type of the result.

int a = 4; float c = 1.1; char e = a'; int b = 5; float d = 2.2; char f = C'; int foo; float boo; char soo;

boo = b - a;

 $boo = b^*a;$

foo = c / d;

boo = b % (int) c + 2;

foo = (int) $b / c^* a$;

30pts

3 - Evaluate the following expressions individually. int a = -3; int b = 6; int c = 1; int d = -2;	
a + b > c + d	
a – 2 * b + b > c * 2 /3	
3 * b / 4 % 5 && b	
d && c < (b + 5) b	
(4 + 5 * b >= c - 4) && (c - 2)	

30pts

4 – provide a single code statement to achieve each result.

int a, b, c; float d,e,f; char g, h;

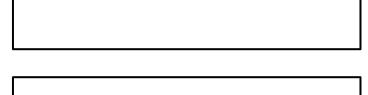
multiply a by 8 without using the * or + operation

if c students share b burritos equally, set a equal to the minimum number of burritos left over

set d equal to the number of whole cups of Cheerios in a box if e is the density of Cheerios in cups/volume and f is the volume in a box

set c equal to 2 if d and f are equal otherwise set c equal to 8 (only operations we covered allowed)

Given that g is any lower case letter, convert it to an upper case character



20pts

